

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: 09/09/05

Date Received: 09/01/05

Project: Metro Self Monitor, PO# M96908, F&BI 509007

Date Extracted: 09/08/05

Date Analyzed: 09/08/05

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES  
FOR TOTAL METALS  
BY EPA METHOD 6010**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M96908 509007-01	0.48	0.44	0.58	<0.05
Method Blank	<0.05	<0.05	<0.10	<0.05

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### QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS BY EPA METHOD 6010

Laboratory Code: 509007-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	RPD (Limit 20)
Chromium	mg/L (ppm)	0.48	0.48	0	0-20
Copper	mg/L (ppm)	0.44	0.42	5	0-20
Nickel	mg/L (ppm)	0.58	0.59	2	0-20
Zinc	mg/L (ppm)	<0.05	0.08	nm	0-20

Laboratory Code: 509007-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Control Limits
Chromium	mg/L (ppm)	5	0.48	84	50-150
Copper	mg/L (ppm)	5	0.44	83	50-150
Nickel	mg/L (ppm)	10	0.58	83	50-150
Zinc	mg/L (ppm)	5	<0.05	90	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	mg/L (ppm)	5	96	70-130
Copper	mg/L (ppm)	5	96	70-130
Nickel	mg/L (ppm)	10	96	70-130
Zinc	mg/L (ppm)	5	99	70-130

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D.  
Charlene Morrow, M.S.  
Yelena Aravkina, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
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September 9, 2005

**DUPLICATE COPY**

**INVOICE # 05ACU0909-1**

Accounts Payable  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M96908, F&BI 509007 - Results of testing  
requested by Gerry Thompson for material submitted on September 1, 2005.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc  
by Method 6010B @ \$80 per sample \$ 80.00

Amount Due ..... \$ 80.00

FEDERAL TAX ID # (b) (6)

5090087

(NP)

## SAMPLE CHAIN OF CUSTODY

CM 09-01-05

AI 4

Send Report To

Company

Address

City, State, ZIP

Phone #

Fax #

SAMPLERS (signature)

PROJECT NAME/NO.

PO #

REMARKS

Page # \_\_\_\_\_ of \_\_\_\_\_

## TURNAROUND TIME

- ☐ Standard (2 Weeks)  
☐ RUSH

Rush charges authorized by: \_\_\_\_\_

## SAMPLE DISPOSAL

- ☐ Dispose after 30 days  
☐ Return samples  
☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS					
m 96908	01	9-1-05	12:30	H <sub>2</sub> O	1											

Friedman &amp; Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

## SIGNATURE

## PRINT NAME

## COMPANY

## DATE

## TIME

Relinquished by:

Received by:

Relinquished by:

Received by:

G. Thompson

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F&amp;B I

9-1-05

9-1-05

2:32 PM

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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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September 9, 2005

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

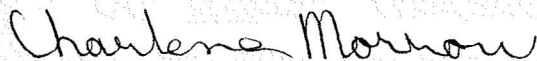
Dear Mr. Thompson:

Included are the results from the testing of material submitted on September 1, 2005 from the Metro Self Monitor, PO# M96908, F&BI 509007 project. There are 2 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Charlene Morrow  
Chemist

Enclosures  
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